

**Work Order ID 75972**

November-02-11 10:47:18 AM

**\*75972\***

Page 1

**Item ID:** D3297-3-0085

Accept

**\*N900040100\***

Setup Start

**\*NS1\***

**Revision ID:**

**Item Name:** HOSE ASS'Y

Stop

**\*NS2\***

**Start Date:** 02/11/2011 **Start Qty:** 4.00

**\*4\***

**Cust Item ID:**

**Required Date:** 16/11/2011 **Req'd Qty:** 4.00

**\*4\***

**Customer:**

**Reference:**

**Approvals:** Process Plan: M.C.J

Date: 11/11/02 Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start

**\*NR1\***

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_

Date: \_\_\_\_\_

Stop

**\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3297	Rev D								

100

0.00

**\*100\***

PURCHASING

Purchasing

Memo 0.00  
Create D2729-1 label and include with W/O  
Issue P/O: 15347  
Hose Assembly as per Dwg D3297  
Possible Supplier: API  
Material release note is required

11/11/02  
(4)

110

Receive & Inspect for Damage & Mat'l Certs 0.00

**\*110\***

Packaging

Memo 0.00  
Ensure Material Release Note is attached

11/11/2011  
3(C)

Packaging

ahs

W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE			By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

**Work Order ID 75972**

November-02-11 10:47:18 AM

**\*75972\***

Page 2

**Item ID:** D3297-3-0085

**Accept**

**\*N900040100\***

**Setup Start**

**\*NS1\***

**Revision ID:**

**Item Name:** HOSE ASS'Y

**Stop**

**\*NS2\***

**Start Date:** 02/11/2011 **Start Qty:** 4.00

**\*4\***

**Cust Item ID:**

**Required Date:** 16/11/2011 **Req'd Qty:** 4.00

**\*4\***

**Customer:**

**Reference:**

**Approvals:** **Process Plan:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Tooling:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Run Start**

**\*NR1\***

**QC:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**SPC (Y/N):** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Stop**

**\*NR2\***

**Sequence ID/  
Work Center ID**

**Operation  
Description**

**Set Up/  
Run Hours**

**Tool ID**

**Tool #**

**Plan  
Code**

**Accept  
Qty**

**Reject  
Qty**

**Reject  
Number**

**Insp.  
Stamp**

120

**\*120\***

QC

Quality Control

QC6- Inspect dimensions to drawing

0.00

Suluv24

(74)

130

**\*130\***

Small Fab

Small Fab

0.00

**Memo**

0.00

Install D2729-1 as per Dwg D3297  
using D2182-045 Heat Shrink  
Batch: 21864

~~11/11/28~~

~~11/11/28~~  
~~11/11/28~~  
~~11/11/28~~

140

**\*140\***

QC

Quality Control

QC5- Inspect part completeness to step on W/O

0.00

**Memo**

0.00

11/11/28 (4)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 75972

November-02-11 10:47:18 AM

\*75972\*

Page 3

Item ID: D3297-3-0085

Accept

\*N900040100\*

Setup

Start

\*NS1\*

Revision ID:

Item Name: HOSE ASS'Y

Stop

\*NS2\*

Start Date: 02/11/2011 Start Qty: 4.00

\*4\*

Cust Item ID:

Required Date: 16/11/2011 Req'd Qty: 4.00

\*4\*

Customer:

Reference:

Approvals: Process Plan:

Date:

Tooling:

Date:

Run

Start

\*NR1\*

QC:

Date:

SPC (Y/N):

Date:

Stop

\*NR2\*

Sequence ID/  
Work Center ID

Operation  
Description

150

Identify as per dwg & Stock Location:

ST 194

Set Up/  
Run Hours

Tool ID

Tool #

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

\*150\*

Packaging

Packaging

Memo

0.00

Sep 11-28

160

QC21- Final Inspection - Work Order Release

0.00

\*160\*

QC

Quality Control

Memo

0.00

11/11/28 JG

MF  
11-25

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

**Picklist Print**

November-02-11 10:47:21 AM

Page 1

**Work Order ID:** 75972**\*75972\*****Parent Item:** D3297-3-0085**\*D3297-3-0085\*****Parent Item Name:** HOSE ASS'Y**Start Date:** 02/11/2011**Required Date:** 16/11/2011**Start Qty:** 4.00**Required Qty:** 4.00**Comments:**  
IPP: B 04.11.09 Added Step 5KJ/JLM  
IPP: C 04.11.09 Added Step 6KJ verified by:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
156005-6D0085		Purchased		No		110	Each	0.0000	1	4			**
<b>*156005-6D0085*</b>													
HOSE ASS'Y													
D2182-045		Manufactured		No		130	Each	0.0000	1	4			**
<b>*D2182-045*</b>													
Heat Shrink 4.5" Long													
D2729-1		Manufactured		No		130	Each	0.0000	1	4			**
<b>*D2729-1*</b>													
Dart Logo label													

*(CMM/23/28)**EBS/11/28**EBS/11/28*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

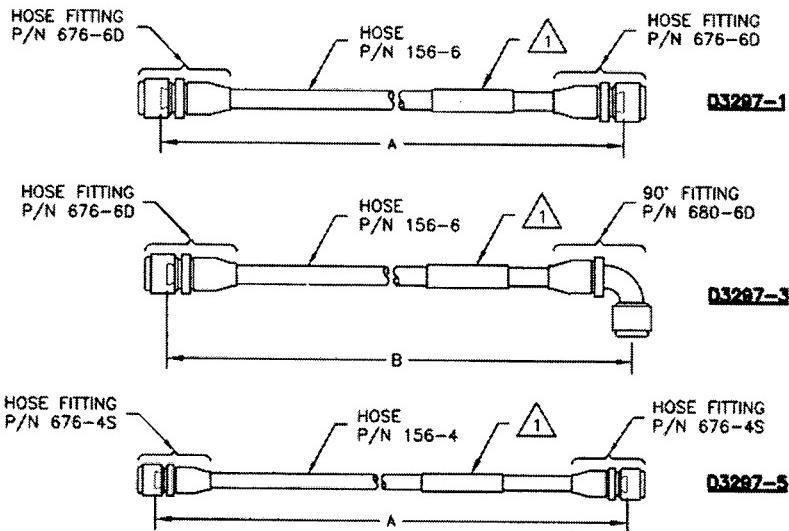
NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action      Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



DESIGN	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED	APPROVED	DRAWING NO.	REV. D
		D3297	SHEET 1 OF 1
DATE		TITLE	SCALE
05.01.21		HOSE ASSEMBLIES	NTS
A	04.07.06	NEW ISSUE	
B	04.11.01	STRATOFLEX P/N WAS AEROQUIP P/N	
C	04.11.18	T50 CORRECTED TO TSO	
D	05.01.21	CORRECT STRATOFLEX P/N	

**RELEASED**  
05.01.21



HOSE SPECIFICATION					
DART P/N	STRATOFLEX P/N	VENDOR	A	B	
D3297-1-0098	156001-6D0096	API	9.75		
D3297-1-0130	156001-6D0130	API	13.00		
D3297-1-0121	156001-6D0121	API	12.13		
D3297-3-0085	156005-6D0085	API		8.50	
D3297-3-0210	156005-6D0210	API		21.00	
D3297-3-0350	156005-6D0350	API		35.00	
D3297-5-0410	156001-4S0410	API	41.00		

D3297-1-XXXX HOSE ASSEMBLY } WHERE XXXX REPRESENTS  
 D3297-3-XXXX HOSE ASSEMBLY } HOSE LENGTH IN TENTHS OF INCH  
 D3297-5-XXXX HOSE ASSEMBLY }

SHOP COPY

RETURN TO

ENGINEERING

UNCONTROLLED COPY

SUBJECT TO AMENDMENT

WITHOUT NOTICE

WORK ORDER

NO 75772

M.C.J

11/11/02

EG: 12.125" LONG: D3297-1-0121  
 41.00" LONG: D3297-5-0410  
 8.50" LONG: D3297-3-0085

NOTES:

- 1) IDENTIFY WITH DART P/N & B/N USING D2729-1 LABEL INSTALLED WITH D2182-045 HEAT SHRINK
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) HOSE ASSEMBLIES TO MEET THE REQUIREMENTS OF TSO-C53a TYPE "A"

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE		By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

**PURCHASE ORDER**  
**Purchase Order ID PO15342**

**Purchase Order Date** 11/2/2011  
**PO Print Date** 11/2/2011

**Page Number** 1 of 1

**Order From :** VC-AER002

AEROSPACE PRODUCTS INTERNATIONAL  
P.O. BOX 223, STATION M  
CALGARY, AB T2P 2H6  
CA

11/11/2011  
JL

<b>Contact Name</b>	<b>Buyer</b>	Brigitte Golden
<b>Vendor Phone</b>	<b>Requisition Nbr</b>	
<b>Vendor Fax</b>	<b>Tax Resale Nbr</b>	10127-2607
<b>Vendor Account Nbr</b>	<b>Terms</b>	Net 30
	<b>Currency</b>	CAD
	<b>FOB</b>	Destination-Collect

**Ship To :** DART AEROSPACE LTD 1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

<b>Line Nbr</b>	<b>Reference Revision ID</b>	<b>Description/ Mfg ID</b>	<b>Req Date/ Taxable</b>	<b>Req Qty/ Unit of Measure</b>	<b>Ship Method</b>	<b>Unit Price</b>	<b>Extended Price</b>
1	156005-6D0210	HOSE ASS'Y	11/4/2011 Yes	4.00 Each	FedEx Overnigh	\$114.4300	\$457.72

**Special Inst:** AS PER DWG: D3297  
REV: D  
B75971

2	156001-6D0096	HOSE ASS'Y	11/4/2011 Yes	4.00 Each	FedEx Overnigh	\$60.1900	\$240.76
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**Special Inst:** AS PER DWG: D3297  
REV: D  
B75973

3	156005-6D0085	HOSE ASS'Y	11/4/2011 Yes	4.00 Each	FedEx Overnigh	\$99.3700	\$397.48
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**Special Inst:** AS PER DWG: D3297  
REV: D  
B75972

**PO Total:** \$1,095.96

No substitution or deviation without consent.  
Certificate of Conformity or Material Certification required when applicable

**Change Nbr:** 1

**Change Date:** 11/2/2011



API  
2461 46th Ave.  
LACHINE QC H8T 3C9  
CANADA  
Phone: 514-636-5720  
Fax: 514-636-6092  
GST # 143526788RT

PRIMERUS LISA

NUMBER 80957945	DATE 11/22/2011
PLEASE REMIT TO:	
PO Box Calgary AB T2P 2H6	
REFER TO INVOICE NUMBER WHEN REMITTING	

5101879

6100481

BILL TO DART AEROSPACE LTD.  
1270 ABERDEEN STREET  
HAWKESBURY ON K6A 1K7  
CANADA

SHIP TO DART AEROSPACE LTD.  
1270 ABERDEEN STREET  
HAWKESBURY ON K6A 1K7  
CANADA

Phone No: 613-632-9577

Page: 1

CUSTOMER PURCHASE ORDER NO. PO15342		ORDER NO. / DELIVERY NO. 845924 - 80957945					
SHIPPED VIA		DELIVERING PLANT API - Montreal			CARTONS 1		
QUANTITY		DESCRIPTION MATERIAL		U/M	LIST PRICE	UNIT PRICE	EXTENDED PRICE
ORDERED	SHIPPED						
4		156-6 HOSE ASSEMBLY	156005-6D-0210	EA	195.61	114.43	457.72
4		156-6 HOSE ASSEMBLY	156001-6D-0096	EA	102.89	60.19	240.76
4		156-6 HOSE ASSEMBLY	156005-6D-0085	EA	169.86	99.37	397.48
		Item Total					1,095.96
		Canadian HST					142.48

**TOTAL**  
CAD

1,238.44



API  
2461 46th Ave.  
LACHINE QC H8T 3C9  
CANADA



Page 1 of 1  
11/22/2011 15:24:49

## Pack List

**Shipping Address**

DART AEROSPACE LTD.  
1270 ABERDEEN STREET  
HAWKESBURY ON K6A 1K7  
CANADA

**Forwarding Agent's Address****Shipping Instructions**

Detailed Shipping Instructions at the end of the document

**Packing Instructions**

Detailed Packing Instructions at the end of the document

**Information**

Document Number	80957945
Document Date	11/22/2011
Purchase Order No.	PO15342
Purchase Order Date	11/04/2011
Sales Order Number	845924
Sales Order Date	11/04/2011
Customer Number	6100481
Shipping Conditions	FXPri 1D (Intl 1-3D)
Incoterms	
Cust Ship Acct	
Delivery Date	11/23/2011
Bill of Lading	
Total Volume	0.012 IN3
Carrier	FedEx

Item	Material	Material Description	Quantity	Weight	Batch Num
10	156005-6D-0210	156-6 HOSE ASSEMBLY	4 EA	0 LB	
	Batches				
	0002295344 (PO:4500166939)				
20	156001-6D-0096	156-6 HOSE ASSEMBLY	4 EA	0 LB	
	Batches				
	0002295341 (PO:4500166939)				
30	156005-6D-0085	156-6 HOSE ASSEMBLY	4 EA	0 LB	
	Batches				
	0002295342 (PO:4500166939)				

**Shipping and Packing Instructions****\*\*CERTIFICATE OF CONFORMANCE\*\***

I hereby certify that the aircraft parts described hereon were acquired from a source of supply that is consistent with the conditions under which Transport Canada distributor approval number 77-98 has been granted.

Authorized Signature





## Certificate of Conformance

Customer API MONTREAL  
Sales Order# 4500166939 PO#

Date 11/16/2011

We hereby certify that all the above parts, including all materials, have been manufactured, tested, inspected and packed in conformance with all of the requirements of your order and the applicable government specifications & standards. Records of tests, inspection and certification indicating the above conformance are on file at Aerospace Products International and are available for your examination.

It is further certified that on any hose assemblies marked with a TSO, parts and/or materials reflected therein were produced under Federal Aviation Administration approved manufacturing quality control systems/methods as set forth in the FAA issued technical standard order authorized (TSOA) issued to Stratoflex and (b) such parts and/or material are new and are in condition for safe operation.

If applicable, satisfactory compliance with the conditions and test required for TSO approval indicates the hose assembly has met the minimum performance standards as stated in the TSO. Furthermore, it is the responsibility of the installer to determine the installation eligibility and that it will not cause the hose assembly to be subjected to conditions in excess of those for which it has been approved.

For API Version